-continued

ttgagtctta tgatcaacaa tatacatatt ttgcatcaga atcttgatag atcaggctat	240
cttctaatta ttcttctatt ttttgttttt ttctcgagtt agctcagttt tttcctattt	300
tttttttggt acttttgcta gatatatttt acacatactc atttttatga gtcttaagtg	360
caatacgttg gtaacggaat actggttatt tgtcattcct tccttgtcgt acctaggttg	420
tttctcttta cttcaatagt tacaatgact atttgatttt tgattgtgtc aagctataca	480
agaaataaga gagtaatcag gagagagaaa gagagaaaag attgagtaat ctgtaagaca	540
tcaaaagatg aaaagaccta gaacatcttc tatcatagtt gtaagaggat gatgaaaggc	600
acaggtatta gttcaatcca gataaaaaat gaagtgttaa aagacataga agaaaaactt	660
ttgtgtacag tcgtacagta gacataggaa tacagcgaag atgc	704

1-45. (canceled)

46. A method for controlling corn rootworm infestation on a plant, comprising topically applying to the plant a pesticide composition comprising a dsRNA targeting for suppression an essential gene in the corn rootworm and providing the plant in the diet of the corn rootworm, wherein the plant comprises a nucleic acid sequence encoding at least a first *Bacillus thuringiensis* insecticidal protein for controlling the corn rootworm.

47. The method of claim **46**, wherein the *Bacillus thuringiensis* insecticidal protein, or proteins, is selected from the group consisting of a Cry3, a TIC851, a CryET70, a Cry22, a binary insecticidal protein CryET33 and CryET34, a binary insecticidal protein CryET80 and CryET76, a binary insecticidal protein TIC100 and TIC101, a binary insecticidal protein PS149B1, a VIP insecticidal protein, a TIC900 or related protein, a TIC901, a TIC1201, a TIC407, a TIC417, and an insecticidal chimera thereof.

48. The method of claim **46**, wherein the dsRNA is topically applied using a spray mixer, by expressing the dsRNA in a microbe and applying the microbe onto the plant, or by applying the dsRNA in a topical composition.

49. The method of claim **48**, wherein the topical composition further comprises a *Bacillus thuringiensis* insecticidal protein.

50. The method of claim **46**, wherein the composition comprises dsRNA encapsulated in a synthetic matrix and applied to the plant surface or a seed coating.

51. The method of claim **50**, wherein said matrix is a polymer.

52. The method of claim **50**, wherein the composition is topically applied as a microbe that is engineered to express the dsRNA, or comprises a fermentation product from the microbe.

53. The method of claim **46**, wherein the dsRNA is transcribed from a DNA sequence of at least about 19 contiguous nucleotides selected from the group consisting of SEQ ID NO:1-143, SEQ ID NO:169-174, and the complement thereof.

54. The method of claim **46**, wherein the corn rootworm is selected from the group consisting of *Diabrotica virgifera, Diabrotica barberi*, and *Diabrotica undecimpuctata.*

55. The method of claim **46**, wherein the diet is selected from the group consisting of a plant cell, a plurality of plant cells, a plant tissue, a plant root, and a plant seed, wherein the diet comprises a pest inhibitory amount of the dsRNA.

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